

EX PARTE OR LATE FILED

YOUNG & JATLOW

2300 N STREET, N. W.

SUITE 600

WASHINGTON, D. C. 20037

DAVID C. JATLOW

FRANCIS L. YOUNG*

*ADMITTED IN TEXAS

DOCKET FILE COPY ORIGINAL

TELEPHONE

(202) 663-9080

TELEFAX

(202) 331-8001

September 13, 1995

Mr. William F. Caton, Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

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SEP 13 1995

In re: PR Docket No. 93-144 and PP Docket No. 93-253
Ericsson Inc.
Written Ex Parte Communication

Dear Mr. Caton:

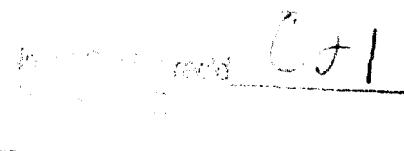
Pursuant to the provisions of Section 1.1206 of the Commission's rules, please be advised that on September 13, 1995, Ericsson Inc. submitted a copy of a written ex parte presentation to Rosalind K. Allen, Chief of the Commercial Radio Division of the Wireless Telecommunications Bureau. Copies of the presentation were also hand delivered to Mr. Ed Jacobs, Mr. Jay Jackson and D'Wanda Speight, Esq. The written presentation dealt with emission mask issues related to the above-referenced proceeding.

Two copies of the written ex parte presentation are submitted herewith for inclusion in the docket for the above-referenced proceeding.

Very truly yours,


David C. Jatlow
Counsel for Ericsson Inc.

cc: Ms. Rosalind K. Allen
Mr. Ed Jacobs
Mr. Jay Jackson
Ms. D'Wanda Speight



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FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C.

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(202) 663-9080

TELEFAX

(202) 331-8001

September 13, 1995

Rosalind K. Allen, Chief
Commercial Radio Division
Wireless Telecommunications Bureau
Federal Communications Commission
Washington, D.C. 20554

In re: PR Docket No. 93-144 (RM-8117, RM-8030, RM-8029) and
PP Docket No. 93-253
Further Notice of Proposed Rule Making
Written Ex Parte Presentation

Dear Ms. Allen:

At paragraphs 42 and 43 of the *Further Notice of Proposed Rule Making* in PR Docket No. 93-144 ("FNPRM"), the Commission requested comments on a Commission proposal to adopt an emission mask for 800 MHz SMR licensees that will operate within an MTA service area. The mask proposed is currently identical to that adopted for PCS licensees. Specifically, at paragraph 43 of the FNPRM the Commission proposed that "...outside an MTA licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 plus $10 \log_{10} (P)$ decibels or 80 decibels, whichever is the lesser attenuation." Having reevaluated the Commission's proposal taking into account the current state of equipment used for Part 90 800 MHz SMR service, Ericsson believes the proposed mask can be improved without creating the potential for additional adjacent channel interference. Ericsson's proposed mask is a hybrid mask that combines the FCC's proposed mask and the existing Part 90 mask for 800 MHz SMR licensees.

The mask proposed by the FCC for MTA-based licensees is more strict than the current Part 90 mask set forth in Section 90.209. That is, under the proposed mask emissions at the band edge must be attenuated to a greater extent than under the Section 90.209 mask for 800 MHz

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services. As a result, manufacturers of Part 90 800 MHz SMR equipment may be forced to make major modifications to existing equipment so it can continue to be used for 800 MHz services. Ericsson submits that a very minor modification to the proposed mask will enable manufacturers to design equipment to be used by existing Part 90 licensees as well as by proposed MTA-based 800 MHz SMR licensees. Ericsson submits that the proposed "mask rule" should be modified to read as follows:

For any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least ***116 log (f/6.1) decibels or 43 plus 10 log₁₀ (P) decibels or 80 decibels, whichever is the lesser attenuation where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.*** (emphasis supplied)

A graphic depiction of Ericsson's proposed mask superimposed on the Commission's proposed mask is attached hereto.

As noted above, use of Ericsson's proposed mask will (1) provide for a graceful transition from the existing regulatory scheme to that proposed in the FNPRM and (2) enable manufacturers to make 800 MHz SMR equipment available for MTA-based licensees more rapidly and less expensively which will inure to the benefit of such licensees and ultimately to subscribers of these services. Moreover, Ericsson's proposed mask

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will not increase the potential for interference since emissions outside the band edge are fully consistent with those currently allowed under existing Part 90 rules for 800 MHz SMR licensees.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "David C. Jatlow", written over a horizontal line.

David C. Jatlow
Counsel for Ericsson Inc.

cc: Mr. Ed Jacobs
Mr. Jay Jackson
D'Wanda Speight, Esq.

Illustration of Out-of-Band Emission Mask Rules for 100W Transmitter Power

